

ESSEX
Cancer Incidence by Sex, 1993 - 1997
Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	2.05	1	NC*	Male	1.20	2	NC*
Female	0.75	3	NC*	Female	0.91	4	NC*
Total	2.80	4	NC*	Total	2.11	6	285 #+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.65	1	NC*	Male	0.38	0	NC*
Female	0.55	0	NC*	Female	0.34	1	NC*
Total	1.20	1	NC*	Total	0.73	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.13	0	NC*	Male	1.59	2	NC*
Female	11.90	18	151	Female	1.39	1	NC*
Total	12.03	18	150	Total	2.98	3	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.73	0	NC*	Male	1.31	0	NC*
				Female	0.62	1	NC*
				Total	1.94	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	5.20	9	173	Female	1.43	1	NC*
Female	4.82	7	145				
Total	10.02	16	160				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.74	1	NC*	Male	0.78	0	NC*
Female	0.25	0	NC*	Female	0.80	2	NC*
Total	0.99	1	NC*	Total	1.58	2	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.30	1	NC*	Male	12.78	14	110
Female	0.23	0	NC*				
Total	0.52	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.18	1	NC*	Male	0.88	0	NC*
Female	0.69	1	NC*	Female	0.51	0	NC*
Total	1.88	2	NC*	Total	1.39	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.72	1	NC*	Male	0.41	1	NC*

Female	0.20	0	NC*				
Total	0.92	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.86	0	NC*	Male	0.23	1	NC*
Female	0.64	2	NC*	Female	0.58	1	NC*
Total	1.50	2	NC*	Total	0.81	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.41	0	NC*				
Female	0.17	0	NC*	Female	2.32	3	NC*
Total	0.57	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	6.67	4	NC*	Male	41.27	42	102
Female	4.93	7	142	Female	37.46	55	147 ~+
Total	11.60	11	95	Total	78.73	97	123

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels